

the KEX2 of yeast (Mizuno et al. 1988, *Biochem. Biophys. Res. Commun.* 156, 246-254), the human FURIN/PACE (Wise et al. 1990, *Proc. Natl. Acad. Sci. USA* 87, 9378 - 9382), the human PC1/PC3 (Seidah et al., 1991, *Mol. Endocrinol.* 5, 111 - 122; Smeekens et al., 1991, *Proc. Natl. Acad. Sci. USA* 88, 340 - 344), the CUCUMISIN from *Cucumis melo* (Yamagata et al., 1994, *J. Biol. Chem.* 269, 32725 - 32731), LeP69 from *Lycopersicon esculentum* (Tornero et al., 1996, *Proc. Natl. Acad. Sci. USA* 93, 6332 - 6337), the AG12 from *Alnus glutinosa* (Ribeiro et al., 1995, *Plant Cell* 7, 785 - 794) and of SDD1. The positions of the invariant amino acids are marked with *. Identical amino acids present at corresponding positions in the different subtilisins are highlighted with black boxes.--

Please replace the Sequence Listing filed April 3, 2001, located immediately after the abstract, with substitute Sequence Listing enclosed herewith.

REMARKS

Sequence Listing

Enclosed herewith in full compliance to 37 C.F.R. §§1.821-1.825 is a substitute Sequence Listing to be inserted into the specification as indicated above. The substitute Sequence Listing in no way introduces new matter into the specification.

Also submitted herewith in full compliance to 37 C.F.R. §§1.821-1.825 is a disk copy of the substitute Sequence Listing. The disk copy of the substitute Sequence Listing, file "0147-0223P.ST25", is identical to the paper copy, except that it lacks formatting.

The substitute Sequence Listing contains sequences disclosed in figure 5 as filed that were not made part of the original Sequence Listing. The amendments to the Specification are being